



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M Street, S.W.
WASHINGTON, D.C. 20460

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DATA MATRIX

Date March 24, 2020	EPA Reg No./File Symbol 87373-	Page 1 of 38
Applicant's/Registrant's Name & Address Argite, LLC 5000 CentreGreen Way, Suite 100 Cary, NC 27513	Product ARG Mefenoxam Technical	

Ingredient mefenoxam (CAS No.: 70630-17-0; Chemical Code: 113502)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
PRODUCT SPECIFIC DATA REQUIREMENTS					
830.1550	Product Identity and Composition	51058801	Argite, LLC	OWN	
830.1600	Description of Materials Used to Produce the Product	51058801	Argite, LLC	OWN	
830.1620	Description of the Production Process	51058801	Argite, LLC	OWN	
830.1650	Description of the Formulation Process				Not required ¹
830.1670	Discussion of Formation of Impurities	51058801	Argite, LLC	OWN	
830.1700	Preliminary Analysis	51058802 51058802	Argite, LLC	OWN	
830.1750	Certified Limits	51058801	Argite, LLC	OWN	
830.1800	Enforcement Analytical Method	51058804	Argite, LLC	OWN	
830.6302	Color	51058805	Argite, LLC	OWN	
830.6303	Physical State	51058805	Argite, LLC	OWN	
830.6304	Odor	51058805	Argite, LLC	OWN	
830.6313	Stability to Normal and Elevated Temperatures, Metals and Metal Ions	51058805 51058807	Argite, LLC Argite, LLC	OWN OWN	Waiver ²
830.6314	Oxidation / Reduction: Chemical Incompatibility	51058805	Argite, LLC	OWN	
830.6315	Flammability	51058805	Argite, LLC	OWN	
830.6316	Explodability	51058807	Argite, LLC	OWN	Waiver ³
830.6317	Storage Stability	51058807	Argite, LLC	OWN	PRN 92-5 ⁴
830.6319	Miscibility	51058807	Argite, LLC	OWN	Not required ⁵
830.6320	Corrosion Characteristics	51058807	Argite, LLC	OWN	PRN-92-5 ⁴
830.6321	Dielectric Breakdown Voltage				Not applicable ⁶

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830.7000	pH	51058806	Argite, LLC	OWN	
830.7050	UV/Visible Absorption	51058805	Argite, LLC	OWN	
830.7100	Viscosity	51058806	Argite, LLC	OWN	
830.7200	Melting Point / Melting Range	51058807	Argite, LLC	OWN/PL	
830.7220	Boiling Point / Boiling Range	51058805	Argite, LLC	OWN	
830.7300	Density / Relative Density / Bulk Density	51058806	Argite, LLC	OWN	
830.7370	Dissociation Constants in Water	51058805	Argite, LLC	OWN	
830.7520	Particle Size, Fiber Length, and Diameter Distribution	51058807	Argite, LLC	OWN	Waiver ⁷
830.7550	Partition Coefficient (n-octanol/water), Shake Flask Method	51058805	Argite, LLC	OWN	
830.7560	Partition Coefficient (n-octanol/water), Generator Method				See 830.7550
830.7570	Partition Coefficient (n-octanol/water), Estimation by Liquid Chromatography				See 830.7550
830.7840	Water Solubility: Column Elution Method, Shake Flask Method	51058805	Argite, LLC	OWN	
830.7860	Water Solubility: Generator Column Method				See 830.7840
830.7950	Vapor Pressure	51058805	Argite, LLC	OWN	
870.1100	Acute Oral Toxicity – rat	43800383		OLD	See endnote ⁸
870.1200	Acute Dermal Toxicity – rat	43800384		OLD	See endnote ⁹
870.1300	Acute Inhalation Toxicity – rat	43800385		OLD	See endnote ¹⁰
870.2400	Eye Irritation	43800386		OLD	See endnote ¹¹
870.2500	Skin Irritation	43800387		OLD	See endnote ¹²

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Ingredient mefenoxam (CAS No.: 70630-17-0; Chemical Code: 113502)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
870.2600	Skin Sensitization	43800388 43800389		OLD OLD	See endnote ¹³
GENERIC DATA REQUIREMENTS					
850.2100	Acute Avian Oral Toxicity	43875302 49311101	Metalaxyl Task Force	OLD PER	See endnote ¹⁴
850.2200	Acute Avian Dietary Toxicity	00063989 43875303		OLD OLD	See endnote ¹⁵
850.2400	Wild Mammal Toxicity				Not required / See 870 series
850.2300	Avian Reproductive Toxicity	44720901 44720902		OLD OLD	See endnote ¹⁶
850.2500	Simulated or Actual Field Testing				Not required
850.1075	Freshwater Fish Toxicity	00071302 00100446 43875304 49024006 49049803 49049806	Metalaxyl Task Force Syngenta Crop Protection, LLC Syngenta Crop Protection, LLC	OLD OLD OLD PER PAY PAY	See endnote ¹⁷
850.1010	Freshwater Invertebrate Toxicity	43875305 49024004	Metalaxyl Task Force	OLD PER	See endnote ¹⁸

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Ingredient mefenoxam (CAS No.: 70630-17-0; Chemical Code: 113502)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
850.1025, 850.1035, 850.1045, 850.1055, 850.1075	Acute Toxicity Estuarine and Marine Organisms	41288101 43875306 49049801 49049802 49049804 49049805 49145101	Syngenta Crop Protection, LLC Syngenta Crop Protection, LLC Syngenta Crop Protection, LLC Syngenta Crop Protection, LLC Metalaxyl Task Force	OLD OLD PAY PAY PAY PAY PER	See endnote ¹⁹
850.1300	Aquatic Invertebrate Life Cycle (Freshwater)	00071307			See endnote ²⁰
850.1350	Aquatic Invertebrate Life Cycle (Saltwater)	49116001	Metalaxyl Task Force	PER	See endnote ²¹
850.1400	Fish Early Life Stage (Freshwater)	00071308		OLD	See endnote ²²
850.1400	Fish Early Life Stage (Saltwater)				Not required
850.1500	Life Cycle Fish				Not required
850.1710, 850.1730, 850.1850	Aquatic Organisms Bioavailability, Biomagnification, Toxicity	00100468 00100470		OLD OLD	See endnote ²³
850.1950	Simulated or Actual Field Testing for Aquatic Organisms				Not required
850.1735	Whole Sediment: Acute Freshwater Invertebrates				Not required
850.1740	Whole Sediment: Acute Marine Invertebrates				Not required
N/A	Whole Sediment: Chronic Invertebrates Freshwater and Marine				Not required
850.3020	Honey Bee Acute Contact Toxicity	43875308		OLD	See endnote ²⁴
850.3030	Honeybee Toxicity of Residues on Foliage				Reserved ²⁵
850.3040	Field Testing for Pollinators				Reserved ²⁶

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Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
870.6100	Delayed Neurotoxicity (Acute) – Hen				Not required
870.6200	Acute Neurotoxicity – Rat				Waived ²⁷
870.3100	90-Day Oral: Rodent	43823202		OLD	See endnote ²⁸
870.3150	90-Day Oral: Non-Rodent	43800392		OLD	See endnote ²⁹
870.3200	21/28-Day Dermal Toxicity	00072394		OLD	See endnote ³⁰
870.3250	90-Day Dermal Toxicity				Not required ³¹
870.3465	90-Day Inhalation Toxicity				Waived ³²
870.6100	28-Day Delayed Neurotoxicity – Hen				Not required
870.6200	90-Day Neurotoxicity	48865902	Syngenta Crop Protection, LLC	PAY	See endnote ³³
870.4100	Chronic Oral Rodent	00098481 00132009 00150185		OLD OLD OLD	See endnote ³⁴
870.4200	Carcinogenicity	00098481 00103354 00132009 00150094 00150185		OLD OLD OLD OLD OLD	See endnote ³⁵

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Argite, LLC
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Product

ARG Mefenoxam Technical

Ingredient mefenoxam (CAS No.: 70630-17-0; Chemical Code: 113502)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
870.3700	Reproduction / Developmental Toxicity Screening Test	43800393 44208401 00144372 00144371 00148866		OLD OLD OLD OLD OLD	See endnote ³⁶
870.3800	2-Generation Reproduction: Rat	00071600		OLD	See endnote ³⁷
870.6300	Developmental Neurotoxicity Study				Not required ³⁸
870.5100	Bacterial Reverse Mutation Test	43800394		OLD	See endnote ³⁹
870.5300, 870.5375	<i>In vitro</i> Mammalian Cell Assay	43800395 43800402 43800403 43800404		OLD OLD OLD OLD	See endnote ⁴⁰
870.5385, 870.5395, 870.5450, 870.5550	<i>In vivo</i> Cytogenetics and Other Effects	00084114 00103361 00103363 00154306 00154307 00154310 00154663 00160037		OLD OLD OLD OLD OLD OLD OLD OLD	See endnote ⁴¹

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870.7485	Metabolism and Pharmacokinetics	00071613 00071614 00099084 00161402 41664501		OLD OLD OLD OLD OLD	See endnote ⁴²
870.7200	Companion Animal Safety				Not required
870.7600	Dermal Penetration	45085901 45085902		OLD OLD	See endnote ⁴³
870.7800	Immunotoxicity	48865903	Syngenta Crop Protection, LLC	PAY	See endnote ⁴⁴
875.1100	Dermal Exposure – Outdoor		Agricultural Handler Exposure TF	OWN	See endnote ⁴⁵
875.1200	Dermal Exposure – Indoor				Not required
875.1300	Inhalation Exposure – Outdoor		Agricultural Handler Exposure TF	OWN	See endnote ⁴⁵
875.1400	Inhalation Exposure – Indoor				Not required
875.1500	Biological Monitoring		Agricultural Handler Exposure TF	OWN	See endnote ⁴⁵
875.1600	Data Reporting and Calculations		Agricultural Handler Exposure TF	OWN	See endnote ⁴⁵
875.1700	Product Use Information		Agricultural Handler Exposure TF	OWN	See endnote ⁴⁵
875.2100	Dislodgeable Foliar Residue and Turf Transferable Residues		Agricultural Reentry TF Outdoor Residential Exposure TF	OWN OWN	See endnote ⁴⁶
875.2200	Soil Residue Dissipation		Agricultural Reentry TF Outdoor Residential Exposure TF	OWN OWN	See endnote ⁴⁶

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875.2400	Dermal Exposure		Agricultural Reentry TF Outdoor Residential Exposure TF	OWN OWN	See endnote ⁴⁶
875.2500	Inhalation Exposure		Agricultural Reentry TF Outdoor Residential Exposure TF	OWN OWN	See endnote ⁴⁶
875.2600	Biological Monitoring		Agricultural Reentry TF Outdoor Residential Exposure TF	OWN OWN	See endnote ⁴⁶
875.2700	Product Use Information		Agricultural Reentry TF Outdoor Residential Exposure TF	OWN OWN	See endnote ⁴⁶
875.2800	Descriptions of Human Activity		Agricultural Reentry TF Outdoor Residential Exposure TF	OWN OWN	See endnote ⁴⁶
875.2900	Data Reporting and Calculations		Agricultural Reentry TF Outdoor Residential Exposure TF	OWN OWN	See endnote ⁴⁶
875.3000	Nondietary Ingestion Exposure		Agricultural Reentry TF Outdoor Residential Exposure TF	OWN OWN	See endnote ⁴⁶
201-1	Droplet Size Spectrum		Spray Drift TF	OWN	See endnote ⁴⁷
202-1	Droplet Size Spectrum		Spray Drift TF	OWN	See endnote ⁴⁷
850.4100	Tier 1: Seedling Emergence	49024016 49049807	Metalaxyl Task Force Syngenta Crop Protection, LLC	PER PAY	See endnote ⁴⁸
850.4150	Tier 1: Vegetative Vigor	49049808	Syngenta Crop Protection, LLC	PAY	See endnote ⁴⁹

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Product

ARG Mefenoxam Technical

Ingredient mefenoxam (CAS No.: 70630-17-0; Chemical Code: 113502)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
850.4400, 850.4500	Tier 1: Aquatic Plant Growth	43875307		OLD	See endnote ⁵⁰
		49024009	Metalaxyl Task Force	PER	
		49024008	Metalaxyl Task Force	PER	
		49024007	Metalaxyl Task Force	PER	
		49024012	Metalaxyl Task Force	PER	
850.4100	Tier 2: Seedling Emergence	49024016	Metalaxyl Task Force	PER	See endnote ⁴⁸
		49049807	Syngenta Crop Protection, LLC	PAY	
850.4150	Tier 2: Vegetative Vigor	49049808	Syngenta Crop Protection, LLC	PAY	See endnote ⁴⁹
850.4400, 850.4500	Tier 2: Aquatic Plant Growth	43875307		OLD	See endnote ⁵⁰
		49024009	Metalaxyl Task Force	PER	
		49024008	Metalaxyl Task Force	PER	
		49024007	Metalaxyl Task Force	PER	
		49024012	Metalaxyl Task Force	PER	
850.4300	Terrestrial Field				Not required
850.4450	Aquatic Field				Not required
850.4025	Target Area Phytotoxicity				Not required
850.4550	Cyanobacteria Toxicity	49024005	Metalaxyl Task Force	PER	See endnote ⁵¹
835.2120	Hydrolysis	00104493		OLD	See endnote ⁵²
835.2240	Photodegradation in Water	41156001		OLD	See endnote ⁵³
835.2410	Photodegradation in Soil	00100456		OLD	See endnote ⁵⁴
		43883402		OLD	

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835.2370	Photodegradation in Air				Not required
835.4100	Aerobic Soil Metabolism	00104494 43935301		OLD OLD	See endnote ⁵⁵
835.4200	Anaerobic Soil Metabolism	00104494		OLD	See endnote ⁵⁶
835.4300	Aerobic Aquatic Metabolism	42259802 47886101	Syngenta Crop Protection, LLC	OLD PAY	See endnote ⁵⁷
835.4400	Anaerobic Aquatic Metabolism	42259801		OLD	See endnote ⁵⁸
835.1230	Leaching / Adsorption / Desorption	00100464 00100465 00100466 43875309 43935302		OLD OLD OLD OLD OLD	See endnote ⁵⁹
835.1410	Volatility – Laboratory	00100455		OLD	See endnote ⁶⁰
835.8100	Volatility – Field				Not required
835.6100	Soil Field Dissipation Study	40985403 40985404 41765001 41765002 41809301		OLD OLD OLD OLD OLD	See endnote ⁶¹
835.6200	Aquatic Sediment Field Dissipation Study	42259803 42259804		OLD OLD	See endnote ⁶²
835.6300	Forest Field Dissipation Study				Not required

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835.6400	Combination and Tank Mixes				Not required
835.7100	Ground Water Monitoring				Not required
860.1300	Nature of the Residue: Plants	00071601-10 00114379 00128102		OLD OLD OLD	
860.1300	Nature of the Residue: Livestock	00071611-12 41664503-06 42115801-06 44208101		OLD OLD OLD OLD	
860.1850	Confined Rotational Crops	41870308 42196501-03 43317302		OLD OLD OLD	

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860.1340	Residue Analytical Methods	00071622-23		OLD	
		00071676		OLD	
		00104378		OLD	
		00104656		OLD	
		00148440		OLD	
		00157480		OLD	
		40503101		OLD	
		40071503		OLD	
		40071504		OLD	
		40162601		OLD	
		40534803		OLD	
		41055203		OLD	
		41689701-02		OLD	
		42115807-10		OLD	
		43896901		OLD	
		44208101		OLD	
		44976201		OLD	
		45215901		OLD	
		45508401		OLD	
		46714704	Syngenta Crop Protection, LLC	PAY	
		46714705	Syngenta Crop Protection, LLC	PAY	
		46714706	Syngenta Crop Protection, LLC	PAY	

Signature

Name and Title

Ann M. Tillman, PhD
Agent

Date

Mar. 24, 2020



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Applicant's/Registrant's Name & Address

Argite, LLC
5000 CentreGreen Way, Suite 100
Cary, NC 27513

Product

ARG Mefenoxam Technical

Ingredient mefenoxam (CAS No.: 70630-17-0; Chemical Code: 113502)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1360	Multiresidue Method	40503101 41055203		OLD OLD	
860.1380	Storage Stability	00148440 40106601 41449001 42021101 42115809 42350101 42919401 41912902 44185709 44316101-02 44617001 44850301 46714707	Syngenta Crop Protection, LLC	OLD OLD OLD OLD OLD OLD OLD OLD OLD OLD OLD OLD PAY	
860.1500	Magnitude of the Residue in Plants: alfalfa	40832901		OLD	
860.1500	Magnitude of the Residue in Plants: almond	00164651		OLD	
860.1500	Magnitude of the Residue in Plants: apple	00126315 00141519		OLD OLD	
860.1500	Magnitude of the Residue in Plants: asparagus	00154446 44208106		OLD OLD	

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Applicant's/Registrant's Name & Address Argite, LLC 5000 CentreGreen Way, Suite 100 Cary, NC 27513	Product ARG Mefenoxam Technical	

Ingredient mefenoxam (CAS No.: 70630-17-0; Chemical Code: 113502)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500	Magnitude of the Residue in Plants: atemoya	44914205 44941601		OLD OLD	
860.1500	Magnitude of the Residue in Plants: avocado	00074488		OLD	
860.1500	Magnitude of the Residue in Plants: barley	00071672 00104387 00128102 41689701-02 41870301 41870305 41912903 43775401		OLD OLD OLD OLD OLD OLD OLD OLD	
860.1500	Magnitude of the Residue in Plants: beans	00071672 00104390 00129003 00148440 40569303 46714701 47803101-02	Syngenta Crop Protection, LLC IR-4	OLD OLD OLD OLD OLD PAY PL	
860.1500	Magnitude of the Residue in Plants: beets	00128102 40569301 40838301-02 43620101		OLD OLD OLD OLD	

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Applicant's/Registrant's Name & Address Argite, LLC 5000 CentreGreen Way, Suite 100 Cary, NC 27513	Product ARG Mefenoxam Technical	

Ingredient mefenoxam (CAS No.: 70630-17-0; Chemical Code: 113502)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500	Magnitude of the Residue in Plants: biriba	44914205 44941601		OLD OLD	
860.1500	Magnitude of the Residue in Plants: buckwheat	00071672 00104387 00128102 41689701-02 41870301-02 41870305 41912903 43775401		OLD OLD OLD OLD OLD OLD OLD OLD	
860.1500	Magnitude of the Residue in Plants: bulb vegetable, crop subgroups 3-07A and 3-07B	00071615 00098428 00130694 00148103 42991601		OLD OLD OLD OLD OLD	
860.1500	Magnitude of the Residue in Plants: bushberry, subgroup 13-07B	00164649		OLD	
860.1500	Magnitude of the Residue in Plants: cacao	44914205 44941601		OLD OLD	
860.1500	Magnitude of the Residue in Plants: caneberry, subgroup 13-07A	00127769 47803103-04	IR-4	OLD PL	
860.1500	Magnitude of the Residue in Plants: canistel	44914205 44941601		OLD OLD	

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Applicant's/Registrant's Name & Address

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Product

ARG Mefenoxam Technical

Ingredient mefenoxam (CAS No.: 70630-17-0; Chemical Code: 113502)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500	Magnitude of the Residue in Plants: canola	43602401			
860.1500	Magnitude of the Residue in Plants: cherimoya	44914205 44941601		OLD OLD	
860.1500	Magnitude of the Residue in Plants: citrus	00117969 00133020 00148440		OLD OLD OLD	
860.1500	Magnitude of the Residue in Plants: clover	40832901 42226801		OLD OLD	
860.1500	Magnitude of the Residue in Plants: cole crops (broccoli, cabbage, cauliflower); vegetable, brassica, leafy group 5	00071615 00130773 42159801 43218501 43896905		OLD OLD OLD OLD OLD	
860.1500	Magnitude of the Residue in Plants: corn	00071672 00128102 41689701-02 41870301 41912903 43775401		OLD OLD OLD OLD OLD OLD	
860.1500	Magnitude of the Residue in Plants: cotton	00109402 41870305 44208103		OLD OLD OLD	

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Applicant's/Registrant's Name & Address

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Product

ARG Mefenoxam Technical

Ingredient mefenoxam (CAS No.: 70630-17-0; Chemical Code: 113502)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500	Magnitude of the Residue in Plants: cowpeas	00071672 00104390 00129003 00148440 40569303 46714701 47803101-02	Syngenta Crop Protection, LLC IR-4	OLD OLD OLD OLD OLD PAY PL	
860.1500	Magnitude of the Residue in Plants: cranberry	41996401		OLD	
860.1500	Magnitude of the Residue in Plants: cucurbit vegetables, crop group 9	00071615 00098428 00130693 00148103		OLD OLD OLD OLD	
860.1500	Magnitude of the Residue in Plants: custard apple	44914205 44941601		OLD OLD	
860.1500	Magnitude of the Residue in Plants: dill	44847601-02		OLD	
860.1500	Magnitude of the Residue in Plants: eggplant	00148103 00148440 00157480 40066101-02 40569601 42984001 44208104-05		OLD OLD OLD OLD OLD OLD OLD	

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Applicant's/Registrant's Name & Address Argite, LLC 5000 CentreGreen Way, Suite 100 Cary, NC 27513	Product ARG Mefenoxam Technical	

Ingredient mefenoxam (CAS No.: 70630-17-0; Chemical Code: 113502)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500	Magnitude of the Residue in Plants: garbanzo beans	00071672 00104390 00129003 00148440 40569303		OLD OLD OLD OLD OLD	
860.1500	Magnitude of the Residue in Plants: ginseng	41688901 41695201		OLD OLD	
860.1500	Magnitude of the Residue in Plants: globe artichoke	44914201		OLD	
860.1500	Magnitude of the Residue in Plants: grapes	00138818 00155845 41150101 45613901		OLD OLD OLD OLD	
860.1500	Magnitude of the Residue in Plants: grasses (forage, fodder, hay)	42134501 43271001		OLD OLD	
860.1500	Magnitude of the Residue in Plants: herbs (dried and fresh)	44847601 44847602		OLD OLD	
860.1500	Magnitude of the Residue in Plants: hops	00079433 40071502 40411002 40746901 40909401 40827401		OLD OLD OLD OLD OLD OLD	

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Applicant's/Registrant's Name & Address

Argite, LLC
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Product

ARG Mefenoxam Technical

Ingredient mefenoxam (CAS No.: 70630-17-0; Chemical Code: 113502)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500	Magnitude of the Residue in Plants: ilama	44914205 44941601		OLD OLD	
860.1500	Magnitude of the Residue in Plants: leafy vegetables (except brassica), group 4	00071615 00071672 00097511 00114377 00114378 40775801 41587801 41636201		OLD OLD OLD OLD OLD OLD OLD OLD	
860.1500	Magnitude of the Residue in Plants: lespedeza	40832901 42226801		OLD OLD	
860.1500	Magnitude of the Residue in Plants: lupine	00071672 00104390 00129003 00148440 40569303		OLD OLD OLD OLD OLD	
860.1500	Magnitude of the Residue in Plants: mango	44914205 44941601		OLD OLD	

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Product

ARG Mefenoxam Technical

Ingredient mefenoxam (CAS No.: 70630-17-0; Chemical Code: 113502)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500	Magnitude of the Residue in Plants: millet	00071672 00104387 00128102 41689701-02 41870301-02 41870305 41912903 43775401		OLD OLD OLD OLD OLD OLD OLD OLD	
860.1500	Magnitude of the Residue in Plants: okra	00148103 00148440 00157480 40066101-02 40569601 42984001 44208104-05		OLD OLD OLD OLD OLD OLD OLD	
860.1500	Magnitude of the Residue in Plants: papaya	44914205 44941601 46714702	Syngenta Crop Protection, LLC	OLD OLD PAY	
860.1500	Magnitude of the Residue in Plants: peanuts	00128738 41870306 42498701		OLD OLD OLD	

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Applicant's/Registrant's Name & Address Argite, LLC 5000 CentreGreen Way, Suite 100 Cary, NC 27513	Product ARG Mefenoxam Technical	
Ingredient mefenoxam (CAS No.: 70630-17-0; Chemical Code: 113502)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500	Magnitude of the Residue in Plants: peas	00071672 00104390 00129003 00148440 40569303 46714701 47803101-02	Syngenta Crop Protection, LLC IR-4	OLD OLD OLD OLD OLD PAY PL	
860.1500	Magnitude of the Residue in Plants: pepper	00148103 00148440 00157480 40066101-02 40569601 42984001 44208104-05		OLD OLD OLD OLD OLD OLD OLD	
860.1500	Magnitude of the Residue in Plants: pineapple	00109472 42233501 44914205 44941601		OLD OLD OLD OLD	

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Applicant's/Registrant's Name & Address

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Cary, NC 27513

Product

ARG Mefenoxam Technical

Ingredient mefenoxam (CAS No.: 70630-17-0; Chemical Code: 113502)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500	Magnitude of the Residue in Plants: potato	00071616 00098428 00104654 00128102 40838301-02 41870307 43896903		OLD OLD OLD OLD OLD OLD OLD	
860.1500	Magnitude of the Residue in Plants: radish	00071616 00098428 00104654 00128102 40569301 40838301-02 41688901 41870307 43620101		OLD OLD OLD OLD OLD OLD OLD OLD OLD	

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Applicant's/Registrant's Name & Address

Argite, LLC
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Product

ARG Mefenoxam Technical

Ingredient mefenoxam (CAS No.: 70630-17-0; Chemical Code: 113502)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500	Magnitude of the Residue in Plants: rice	00071672		OLD	
		00104387		OLD	
		00128102		OLD	
		41689701-02		OLD	
		41870301-03		OLD	
		41870305		OLD	
		41912903		OLD	
		42259805		OLD	
		43775401		OLD	
860.1500	Magnitude of the Residue in Plants: root and tuber vegetables	00071616		OLD	
		00098428		OLD	
		00104654		OLD	
		00128102		OLD	
		40569301		OLD	
		40838301-02		OLD	
		41688901		OLD	
		41870307		OLD	
		43620101		OLD	
		47493301	Syngenta Crop Protection, LLC	PAY	

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Date March 24, 2020	EPA Reg No./File Symbol 87373-	Page 24 of 38
Applicant's/Registrant's Name & Address Argite, LLC 5000 CentreGreen Way, Suite 100 Cary, NC 27513	Product ARG Mefenoxam Technical	

Ingredient mefenoxam (CAS No.: 70630-17-0; Chemical Code: 113502)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500	Magnitude of the Residue in Plants: rye	00071672 00104387 00128102 41689701-02 41870301-02 41870305 41912903 43775401		OLD OLD OLD OLD OLD OLD OLD OLD	
860.1500	Magnitude of the Residue in Plants: sapodilla	44914205 44941601		OLD OLD	
860.1500	Magnitude of the Residue in Plants: snap bean	00071672 00104390 00129003 00148440 40569303 46714701 47803101-02	Syngenta Crop Protection, LLC IR-4	OLD OLD OLD OLD OLD PAY PL	

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Applicant's/Registrant's Name & Address Argite, LLC 5000 CentreGreen Way, Suite 100 Cary, NC 27513	Product ARG Mefenoxam Technical	
Ingredient mefenoxam (CAS No.: 70630-17-0; Chemical Code: 113502)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500	Magnitude of the Residue in Plants: sorghum	00071672 00104387 00128102 41689701-02 41870301-02 41870305 41912903 43775401		OLD OLD OLD OLD OLD OLD OLD OLD	
860.1500	Magnitude of the Residue in Plants: sapote (black and mamey)	44914205 44941601		OLD OLD	
860.1500	Magnitude of the Residue in Plants: seed and pod vegetables	00071672 00104390 00129003 00148440 40569303 46714701 47803101-02	Syngenta Crop Protection, LLC IR-4	OLD OLD OLD OLD OLD PAY PL	
860.1500	Magnitude of the Residue in Plants: small fruit vine climbing, except grape, subgroup 13-07E	42350101 44914203 46714703	Syngenta Crop Protection, LLC	OLD OLD PAY	

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Ingredient mefenoxam (CAS No.: 70630-17-0; Chemical Code: 113502)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500	Magnitude of the Residue in Plants: small grains	00071672 00104387 00128102 41689701-02 41870301-02 41870305 41912903 43775401		OLD OLD OLD OLD OLD OLD OLD OLD	
860.1500	Magnitude of the Residue in Plants: soursop	44914205 44941601		OLD OLD	
860.1500	Magnitude of the Residue in Plants: soybean	00071599 00071615 00071672 00104390 00129003 00148440 40569303 46714701 47803101-02	Syngenta Crop Protection, LLC IR-4	OLD OLD OLD OLD OLD OLD OLD PAY PL	

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Applicant's/Registrant's Name & Address

Argite, LLC
5000 CentreGreen Way, Suite 100
Cary, NC 27513

Product

ARG Mefenoxam Technical

Ingredient mefenoxam (CAS No.: 70630-17-0; Chemical Code: 113502)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500	Magnitude of the Residue in Plants: spinach	00071615 00071672 00097511 00114377 00114378 40775801 41587801 41636201		OLD OLD OLD OLD OLD OLD OLD OLD	
860.1500	Magnitude of the Residue in Plants: star apple	44914205 44941601		OLD OLD	
860.1500	Magnitude of the Residue in Plants: starfruit	44914205 44941601 46714702	Syngenta Crop Protection, LLC	OLD OLD PAY	
860.1500	Magnitude of the Residue in Plants: stone fruits, crop group 12	00164650		OLD	

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DATA MATRIX

Date March 24, 2020	EPA Reg No./File Symbol 87373-	Page 28 of 38
Applicant's/Registrant's Name & Address Argite, LLC 5000 CentreGreen Way, Suite 100 Cary, NC 27513	Product ARG Mefenoxam Technical	
Ingredient mefenoxam (CAS No.: 70630-17-0; Chemical Code: 113502)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500	Magnitude of the Residue in Plants: succulent shelled beans	00071599 00071615 00071672 00104390 00129003 00148440 40569303 46714701 47803101-02	Syngenta Crop Protection, LLC IR-4	OLD OLD OLD OLD OLD OLD OLD PAY PL	
860.1500	Magnitude of the Residue in Plants: sugar apple	44914205 44941601		OLD OLD	
860.1500	Magnitude of the Residue in Plants: sugar beet	00104389 40106601 40116201 40569301 41250101 43620101		OLD OLD OLD OLD OLD OLD	
860.1500	Magnitude of the Residue in Plants: sunflower	00128102 41870304 41912902		OLD OLD OLD	

Signature 	Name and Title Ann M. Tillman, PhD Agent	Date Mar. 24, 2020
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DATA MATRIX

Date March 24, 2020	EPA Reg No./File Symbol 87373-	Page 29 of 38
Applicant's/Registrant's Name & Address Argite, LLC 5000 CentreGreen Way, Suite 100 Cary, NC 27513	Product ARG Mefenoxam Technical	
Ingredient mefenoxam (CAS No.: 70630-17-0; Chemical Code: 113502)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500	Magnitude of the Residue in Plants: strawberry	00155237 40880401 44208102		OLD OLD OLD	
860.1500	Magnitude of the Residue in Plants: tomato	00148103 00148440 00157480 40066101-02 40569601 42984001 44208104-05		OLD OLD OLD OLD OLD OLD OLD	
860.1500	Magnitude of the Residue in Plants: trefoil	40832901 42226801		OLD OLD	
860.1500	Magnitude of the Residue in Plants: triticale	00071672 00104387 00128102 41689701-02 41870301-02 41870305 41912903 43775401		OLD OLD OLD OLD OLD OLD OLD OLD	

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Applicant's/Registrant's Name & Address

Argite, LLC
5000 CentreGreen Way, Suite 100
Cary, NC 27513

Product

ARG Mefenoxam Technical

Ingredient mefenoxam (CAS No.: 70630-17-0; Chemical Code: 113502)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500	Magnitude of the Residue in Plants: turnip greens	00071615 00071672 00097511 00114377 00114378 40775801 41587801 41636201		OLD OLD OLD OLD OLD OLD OLD OLD	
860.1500	Magnitude of the Residue in Plants: vetch	40832901 42226801		OLD OLD	
860.1500	Magnitude of the Residue in Plants: walnut	00164651		OLD	
860.1500	Magnitude of the Residue in Plants: wasabi (greenhouse)	50281901	IR-4	PL	
860.1500	Magnitude of the Residue in Plants: wheat	00071672 00104387 00128102 41689701-02 41870301-02 41870305 41912903 43775401		OLD OLD OLD OLD OLD OLD OLD OLD	

Signature

Name and Title

Ann M. Tillman, PhD
Agent

Date

Mar. 24, 2020



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DATA MATRIX

Date March 24, 2020	EPA Reg No./File Symbol 87373-	Page 31 of 38
Applicant's/Registrant's Name & Address Argite, LLC 5000 CentreGreen Way, Suite 100 Cary, NC 27513	Product ARG Mefenoxam Technical	
Ingredient mefenoxam (CAS No.: 70630-17-0; Chemical Code: 113502)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500	Magnitude of the Residue in Plants: tobacco	00100476-78 00104485 00140371 00148440 42196503		OLD OLD OLD OLD OLD	
860.1520	Magnitude of the Residue in Processed Food or Feed: apple	00126315		OLD	
860.1520	Magnitude of the Residue in Processed Food or Feed: barley	41870301-03 42498701 42259805		OLD OLD OLD	
860.1520	Magnitude of the Residue in Processed Food or Feed: buckwheat	41870301-03 42498701 42259805		OLD OLD OLD	
860.1520	Magnitude of the Residue in Processed Food or Feed: cacao	44914205 44941601		OLD OLD	
860.1520	Magnitude of the Residue in Processed Food or Feed: canola	43602401		OLD	
860.1520	Magnitude of the Residue in Processed Food or Feed: citrus	00117969		OLD	
860.1520	Magnitude of the Residue in Processed Food or Feed: corn	41870301-03 42498701 42259805		OLD OLD OLD	
860.1520	Magnitude of the Residue in Processed Food or Feed: cotton	00109402 41870305 44208103		OLD OLD OLD	

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Date March 24, 2020	EPA Reg No./File Symbol 87373-	Page 32 of 38
Applicant's/Registrant's Name & Address Argite, LLC 5000 CentreGreen Way, Suite 100 Cary, NC 27513	Product ARG Mefenoxam Technical	
Ingredient mefenoxam (CAS No.: 70630-17-0; Chemical Code: 113502)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1520	Magnitude of the Residue in Processed Food or Feed: grapes	00138818 00155845 41150101 45613901		OLD OLD OLD OLD	
860.1520	Magnitude of the Residue in Processed Food or Feed: herbs	44847601 44847602		OLD OLD	
860.1520	Magnitude of the Residue in Processed Food or Feed: millet	41870301-03 42498701 42259805		OLD OLD OLD	
860.1520	Magnitude of the Residue in Processed Food or Feed: peanuts	00128738 41870306 42498701		OLD OLD OLD	
860.1520	Magnitude of the Residue in Processed Food or Feed: pineapple	00109472 42233501 44914205 44941601		OLD OLD OLD OLD	
860.1520	Magnitude of the Residue in Processed Food or Feed: potato	41870307 40106601 40569301		OLD OLD OLD	
860.1520	Magnitude of the Residue in Processed Food or Feed: rice	41870301-03 42498701 42259805		OLD OLD OLD	

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Applicant's/Registrant's Name & Address Argite, LLC 5000 CentreGreen Way, Suite 100 Cary, NC 27513	Product ARG Mefenoxam Technical	
Ingredient mefenoxam (CAS No.: 70630-17-0; Chemical Code: 113502)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1520	Magnitude of the Residue in Processed Food or Feed: rye	41870301-03 42498701 42259805		OLD OLD OLD	
860.1520	Magnitude of the Residue in Processed Food or Feed: sorghum	41870301-03 42498701 42259805		OLD OLD OLD	
860.1520	Magnitude of the Residue in Processed Food or Feed: small grains	41870301-03 42498701 42259805		OLD OLD OLD	
860.1520	Magnitude of the Residue in Processed Food or Feed: soybean	00071672		OLD	
860.1520	Magnitude of the Residue in Processed Food or Feed: stone fruits, crop group 12	00164650		OLD	
860.1520	Magnitude of the Residue in Processed Food or Feed: sugar beet	41870307 40106601 40569301		OLD OLD OLD	
860.1520	Magnitude of the Residue in Processed Food or Feed: sunflower	00128102 41870304 41912902		OLD OLD OLD	
860.1520	Magnitude of the Residue in Processed Food or Feed: tomato	00148440 00157480 44208104		OLD OLD OLD	

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Ingredient mefenoxam (CAS No.: 70630-17-0; Chemical Code: 113502)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1520	Magnitude of the Residue in Processed Food or Feed: wheat	41870301-03 42498701 42259805		OLD OLD OLD	
860.1520	Magnitude of the Residue in Processed Food or Feed: tobacco	00100476-78 00104485 00140371 00148440 42196503		OLD OLD OLD OLD OLD	
860.1480	Magnitude of the Residue in Meat, Milk, Poultry, and Eggs	00071673-74 00100753 40534801 41664503-04 42115809		OLD OLD OLD OLD OLD	
860.1400	Nature and Magnitude of the Residue in Potable Water				Not required
860.1400	Magnitude of the Residue in Fish				Not required
860.1400	Magnitude of the Residue in Plants Resulting from the Use of Irrigation Water				Not required
860.1460	Magnitude of the Residue in Food Handling Establishments				Not required
860.1900	Field Rotational Crops	00071672 00104387 00114376 41870308		OLD OLD OLD OLD	

Signature 	Name and Title Ann M. Tillman, PhD Agent	Date Mar. 24, 2020
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Data Matrix Endnotes for ARG Mefenoxam Technical

- ¹ **830.1650** – These data are not required for registration of a technical grade active ingredient. Refer to guideline 830.1620.
- ² **830.6313** - Argite, LLC requests a waiver from the metal ions portion of this data requirement. ARG Mefenoxam Technical is stored in coated steel containers but is not expected to come into contact with metal ions during storage or use. The accelerated stability of mefenoxam in metal containers is reported in MRID 51058805 of this submission.
- ³ **830.6316** – Argite, LLC requests a waiver from this data requirement because mefenoxam does not have the chemical bonds or functional groups associated with explosive chemicals.
- ⁴ **830.6317, 830.6320** – Per PR Notice 92-5, storage stability and corrosion characteristics data are not required to be submitted unless specifically requested by the Agency. Argite, LLC agrees to conduct these studies if required and requests that the studies be made a condition of registration.
- ⁵ **830.6319** – This data requirement is required when the product is an emulsifiable liquid and is diluted with petroleum solvents. ARG Mefenoxam Technical is not an emulsifiable liquid to be diluted with petroleum solvents and therefore this data requirement is not applicable.
- ⁶ **830.6321** – These data are not required for registration of a technical grade active ingredient.
- ⁷ **830.7550** – Argite, LLC is seeking a waiver for this data requirement for ARG Mefenoxam Technical because the product is not a fibrous material and is not water insoluble.
- ⁸ **870.1100** – The study cited is acceptable and satisfies the data requirement as per the Sept. 30, 2016 *Metalaxyl, Mefenoxam (Metalaxyl-M): Human Health Draft Risk Assessment for Registration Review* (DP Barcode: 435007) (Human Health RA).
- ⁹ **870.1200** – The study cited is acceptable and satisfies the data requirement as per the Human Health RA.
- ¹⁰ **870.1300** – The study cited is acceptable and satisfies the data requirement as per the Human Health RA.
- ¹¹ **870.2400** – The study cited is acceptable and satisfies the data requirement as per the Human Health RA.
- ¹² **870.2500** – The study cited is acceptable and satisfies the data requirement as per the Human Health RA.
- ¹³ **870.2600** – The studies cited are acceptable and satisfy the data requirement as per the Human Health RA.
- ¹⁴ **850.2100** – The studies cited are acceptable and satisfy the data requirement as per the Sept. 22, 2016 *Metalaxyl and Mefenoxam: Preliminary Ecological Risk Assessment for Registration Review of Metalaxyl and Mefenoxam (Metalaxyl-M) and Proposed Crop Group Conversion for Oilseed Group 20* (DP Barcode: 433073) (Ecological RA). As per the June 11, 2011 *Mefenoxam Generic Data Call-In* (GDCI-113502-940) (2011 DCI), passerine data were required on either metalaxyl or mefenoxam.
- ¹⁵ **850.2200** – The studies cited are acceptable and satisfy the data requirement as per the Apr. 28, 2010 *Problem Formulation for the Environmental Fate and Ecological Risk, and Endangered Species Assessments in Support of the Registration Review of Metalaxyl and Mefenoxam (Metalaxyl-M)* (Problem Formulation) or the Ecological RA.
- ¹⁶ **850.2300** – The studies cited are acceptable and satisfy the data requirement as per the Problem Formulation and the Ecological RA.
- ¹⁷ **850.1075** – The studies cited are acceptable or supplemental but satisfy the data requirement as per the Problem Formulation and the Ecological RA. As per the Problem Formulation, data submitted for metalaxyl satisfies the data requirement for mefenoxam on bluegill. Additional data were required as per the 2011 DCI (rainbow trout (TEP), bluegill (TEP), and fathead minnow (TGAI) data). These data were submitted under MRID Nos. 49049806 and 49049803. These data are acceptable and satisfy the data requirement as per the Ecological RA.

Data Matrix Endnotes for ARG Mefenoxam Technical

- ¹⁸ **850.1010** – The studies cited are acceptable and satisfy the data requirement as per the Ecological RA.
- ¹⁹ **850.1025, 850.1035, 850.1045, 850.1055, 850.1075** – The studies cited are acceptable or supplemental but satisfy the data requirement as per the Problem Formulation and the Ecological RA. Additional data were required as per the 2011 DCI (estuarine/marine fish mefenoxam TEP data, estuarine/marine fish metalaxyl or mefenoxam TGAi data, oyster mefenoxam TEP data, oyster metalaxyl or mefenoxam TGAi data, and mysid mefenoxam TEP data). These data were submitted under MRID Nos. 49049804, 49049805, 49049801, 49145101, and 49049802, respectively. These data are acceptable or supplemental but satisfy the data requirement as per the Ecological RA.
- ²⁰ **850.1300** – The study cited, along with the published study citation below, are acceptable and satisfy the data requirement for mefenoxam as per the Problem Formulation.
- Chen, S. and W. Liu. 2008. Toxicity of chiral pesticide Rac-metalaxyl and R-metalaxyl to *Daphnia magna*. Bull. Environ. Contam. Toxicol. 81:531-534.
- ²¹ **850.1350** – The study cited is acceptable and satisfies the data requirement as per the Ecological RA. As per the 2011 DCI and the Problem Formulation, this data requirement can be satisfied by either metalaxyl or mefenoxam TGAi data. In addition, the metalaxyl study provides the lowest toxicity endpoint for risk assessment purposes.
- ²² **850.1400** – The study cited, along with the published study citation below, are acceptable and satisfy the data requirement for mefenoxam as per the Problem Formulation.
- Chen, S. and W. Liu. 2008. Toxicity of chiral pesticide Rac-metalaxyl and R-metalaxyl to *Daphnia magna*. Bull. Environ. Contam. Toxicol. 81:531-534.
- ²³ **850.1710, 850.1730, 850.1850** – The studies cited are acceptable and satisfy the data requirement as per the Problem Formulation or the Ecological RA.
- ²⁴ **850.3020** – The study cited is acceptable and satisfies the data requirement as per the Problem Formulation and the Ecological RA.
- ²⁵ **850.3030** – As per the March 21, 2018 *Metalaxyl/Mefenoxam Interim Registration Review Decision* (IRRD), EPA is currently determining whether additional pollinator data are needed for mefenoxam. EPA will issue a DCI if these data are necessary. Higher tier testing will be determined based upon the results of lower tiered test and the need for a refined pollinator risk assessment.
- ²⁶ **850.3040** – As per the IRRD, EPA is currently determining whether additional pollinator data are needed for mefenoxam. EPA will issue a DCI if these data are necessary. Higher tier testing will be determined based upon the results of lower tiered test and the need for a refined pollinator risk assessment.
- ²⁷ **870.6200** – This data requirement was waived for mefenoxam as per the Human Health RA (U. Habiba, TXR 0057208).
- ²⁸ **870.3100** – The study cited is acceptable and satisfies the data requirement as per the Human Health RA.
- ²⁹ **870.3150** – The study cited is acceptable and satisfies the data requirement as per the Human Health RA.
- ³⁰ **870.3200** – The study cited is acceptable and satisfies the data requirement as per the Human Health RA. These data were developed on the racemic metalaxyl mixture, however, as per the Nov. 4, 1997 EPA Memorandum. *Report of the Hazard Identification Assessment Review Committee* (1997 EPA Memo) for PC Code: 113502 (mefenoxam), metalaxyl data support registration of mefenoxam technical where mefenoxam data are not available.
- ³¹ **870.3250** – These data are not required as per the Human Health RA.
- ³² **870.3465** – This data requirement was waived for mefenoxam as per the Human Health RA (U. Habiba, TXR 0057208).

Data Matrix Endnotes for ARG Mefenoxam Technical

- ³³ **870.6200** – The study cited is acceptable and satisfies the data requirement as per the Human Health RA.
- ³⁴ **870.4100** – The studies cited are acceptable and satisfy the data requirement as per the Human Health RA. Metalaxyl data support registration of mefenoxam technical where mefenoxam data are not available as per the 1997 EPA Memo. Chronic dog data are not cited as these data are no longer required as per the 2007 change to 40 CFR Part 158.
- ³⁵ **870.4200** – The studies cited are acceptable and satisfy the data requirement as per the Human Health RA. Metalaxyl data support registration of mefenoxam technical where mefenoxam data are not available as per the 1997 EPA Memo.
- ³⁶ **870.3700** – The studies cited (MRID Nos. 43800393 and 44208401) are acceptable and satisfy the data requirement as per the Human Health RA. Acceptable non-rodent species data on metalaxyl are also cited and support registration of mefenoxam technical as per the 1997 EPA Memo.
- ³⁷ **870.3800** – The study cited is acceptable and satisfies the data requirement as per the Human Health RA. Metalaxyl data support registration of mefenoxam technical where mefenoxam data are not available as per the 1997 EPA Memo.
- ³⁸ **870.6300** – These data are not required as per the Human Health RA.
- ³⁹ **870.5100** – The study cited is acceptable and satisfies the data requirement as per the Human Health RA.
- ⁴⁰ **870.5300, 870.5375** – The studies cited are acceptable and satisfy the data requirement as per the Human Health RA.
- ⁴¹ **870.5385, 870.5395, 870.5450, 870.5550** – The studies cited are acceptable and satisfy the data requirement as per the Human Health RA. Metalaxyl data support registration of mefenoxam technical where mefenoxam data are not available as per the 1997 EPA Memo.
- ⁴² **870.7485** – The studies cited are acceptable and satisfy the data requirement as per the Human Health RA. Metalaxyl data support registration of mefenoxam technical where mefenoxam data are not available as per the 1997 EPA Memo.
- ⁴³ **870.7600** – The studies cited are acceptable and satisfy the data requirement as per the Human Health RA.
- ⁴⁴ **870.7800** – The study cited is acceptable and satisfies the data requirement as per the Human Health RA.
- ⁴⁵ **875.1100, 875.1300, 875.1500, 875.1600, 875.1700** – Argite, LLC is a member in good standing of the Agricultural Handler Exposure Task Force (AHETF).
- ⁴⁶ **875.2100, 875.2200, 875.2300, 875.2400, 875.2500, 875.2600, 875.2700, 875.2800, 875.2900, 875.3000** – Argite, LLC is a member in good standing of the Agricultural Reentry Task Force (ARTF) and the Outdoor Residential Exposure Task Force (ORETF). Chemical-specific turf transferable or dislodgeable foliar residue data are not required as per the Human Health RA.
- ⁴⁷ **201-1, 202-1** – Argite, LLC is a member in good standing of the Spray Drift Task Force (SDTF).
- ⁴⁸ **850.4100** – The studies cited are acceptable or supplemental but satisfy the data requirement as per the Ecological RA.
- ⁴⁹ **850.4150** – The study cited is acceptable and satisfies the data requirement as per the Ecological RA.
- ⁵⁰ **850.4400, 850.4500** – The studies cited are acceptable or in review as per the Ecological RA. No data gap was identified in the IRRD. As per the 2011 DCI and the Problem Formulation, this data requirement can be satisfied by either metalaxyl or mefenoxam TGA data.
- ⁵¹ **850.4550** – The study cited is in review as per the Ecological RA. No data gap was identified in the IRRD.

Data Matrix Endnotes for ARG Mefenoxam Technical

- ⁵² **835.2120** – The study cited is acceptable and satisfies the data requirement as per the Problem Formulation and the Ecological RA. As per the Problem Formulation, data submitted with metalaxyl satisfy the data requirement for mefenoxam.
- ⁵³ **835.2240** – The study cited is acceptable and satisfies the data requirement as per the Problem Formulation and the Ecological RA.
- ⁵⁴ **835.2410** – The studies cited are acceptable and satisfy the data requirement as per the Problem Formulation or the Ecological RA.
- ⁵⁵ **835.4100** – The studies cited are acceptable and satisfy the data requirement as per the Problem Formulation or the Ecological RA. Newer studies conducted with mefenoxam are not cited as EPA stated in the Problem Formulation that the data cited fully satisfy the data requirements and no additional data are required to be submitted.
- ⁵⁶ **835.4200** – The study cited is acceptable and satisfies the data requirement as per the Problem Formulation or the Ecological RA.
- ⁵⁷ **835.4300** – The studies cited satisfy the data requirement as per the Ecological RA. Note: The Problem Formulation misidentifies MRID No. 42259801 as the aerobic study and MRID No. 42259802 as the anaerobic study when the opposite is the case. The correct citations are under the appropriate guidelines.
- ⁵⁸ **835.4400** – The study cited satisfies the data requirement as per the Problem Formulation. Note: The Problem Formulation misidentifies MRID No. 42259801 as the aerobic study and MRID No. 42259802 as the anaerobic study when the opposite is the case. The correct citations are under the appropriate guidelines.
- ⁵⁹ **835.1230** – The studies cited are acceptable and satisfy the data requirement as per the Problem Formulation. Newer studies conducted with mefenoxam are not cited as EPA stated in the Problem Formulation that the data cited fully satisfy the data requirements and no additional data are required to be submitted.
- ⁶⁰ **835.1410** – The study cited is acceptable and satisfies the data requirement as per the Problem Formulation. As per the Problem Formulation, data submitted with metalaxyl satisfy the data requirement for mefenoxam.
- ⁶¹ **835.6100** – The studies cited are acceptable and satisfy the data requirement as per the Problem Formulation or the Ecological RA. Note: The Problem Formulation misidentifies MRID No. 41809301 as MRID No. 4089301. The valid MRID No. is cited.
- ⁶² **835.6200** – The studies cited are acceptable and satisfy the data requirement as per the Problem Formulation or the Ecological RA.



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DATA MATRIX

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Applicant's/Registrant's Name & Address Argite, LLC 5000 CentreGreen Way, Suite 100 Cary, NC 27513	Product ARG Mefenoxam Technical	

Ingredient mefenoxam (CAS No.: 70630-17-0; Chemical Code: 113502)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
PRODUCT SPECIFIC DATA REQUIREMENTS					
830.1550	Product Identity and Composition	51058801	Argite, LLC	OWN	
830.1600	Description of Materials Used to Produce the Product	51058801	Argite, LLC	OWN	
830.1620	Description of the Production Process	51058801	Argite, LLC	OWN	
830.1650	Description of the Formulation Process				Not required ¹
830.1670	Discussion of Formation of Impurities	51058801	Argite, LLC	OWN	
830.1700	Preliminary Analysis	51058802 51058802	Argite, LLC	OWN	
830.1750	Certified Limits	51058801	Argite, LLC	OWN	
830.1800	Enforcement Analytical Method	51058804	Argite, LLC	OWN	
830.6302	Color	51058805	Argite, LLC	OWN	
830.6303	Physical State	51058805	Argite, LLC	OWN	
830.6304	Odor	51058805	Argite, LLC	OWN	
830.6313	Stability to Normal and Elevated Temperatures, Metals and Metal Ions	51058805 51058807	Argite, LLC Argite, LLC	OWN OWN	Waiver ²
830.6314	Oxidation / Reduction: Chemical Incompatibility	51058805	Argite, LLC	OWN	
830.6315	Flammability	51058805	Argite, LLC	OWN	
830.6316	Explosibility	51058807	Argite, LLC	OWN	Waiver ³
830.6317	Storage Stability	51058807	Argite, LLC	OWN	PRN 92-5 ⁴
830.6319	Miscibility	51058807	Argite, LLC	OWN	Not required ⁵
830.6320	Corrosion Characteristics	51058807	Argite, LLC	OWN	PRN-92-5 ⁴
830.6321	Dielectric Breakdown Voltage				Not applicable ⁶

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Applicant's/Registrant's Name & Address Argite, LLC 5000 CentreGreen Way, Suite 100 Cary, NC 27513	Product ARG Mefenoxam Technical	
Ingredient mefenoxam (CAS No.: 70630-17-0; Chemical Code: 113502)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.7000	pH	51058806	Argite, LLC	OWN	
830.7050	UV/Visible Absorption	51058805	Argite, LLC	OWN	
830.7100	Viscosity	51058806	Argite, LLC	OWN	
830.7200	Melting Point / Melting Range	51058807	Argite, LLC	OWN/PL	
830.7220	Boiling Point / Boiling Range	51058805	Argite, LLC	OWN	
830.7300	Density / Relative Density / Bulk Density	51058806	Argite, LLC	OWN	
830.7370	Dissociation Constants in Water	51058805	Argite, LLC	OWN	
830.7520	Particle Size, Fiber Length, and Diameter Distribution	51058807	Argite, LLC	OWN	Waiver ⁷
830.7550	Partition Coefficient (n-octanol/water), Shake Flask Method	51058805	Argite, LLC	OWN	
830.7560	Partition Coefficient (n-octanol/water), Generator Method				See 830.7550
830.7570	Partition Coefficient (n-octanol/water), Estimation by Liquid Chromatography				See 830.7550
830.7840	Water Solubility: Column Elution Method, Shake Flask Method	51058805	Argite, LLC	OWN	
830.7860	Water Solubility: Generator Column Method				See 830.7840
830.7950	Vapor Pressure	51058805	Argite, LLC	OWN	
870.1100	Acute Oral Toxicity – rat	43800383		OLD	
870.1200	Acute Dermal Toxicity – rat	43800384		OLD	
870.1300	Acute Inhalation Toxicity – rat	43800385		OLD	
870.2400	Eye Irritation	43800386		OLD	
870.2500	Skin Irritation	43800387		OLD	

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Ingredient mefenoxam (CAS No.: 70630-17-0; Chemical Code: 113502)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
870.2600	Skin Sensitization	43800388 43800389		OLD OLD	
GENERIC DATA REQUIREMENTS					
850.2100	Acute Avian Oral Toxicity	43875302 49311101	Metalaxyl Task Force	OLD PER	
850.2200	Acute Avian Dietary Toxicity	00063989 43875303		OLD OLD	
850.2400	Wild Mammal Toxicity				Not required / See 870 series
850.2300	Avian Reproductive Toxicity	44720901 44720902		OLD OLD	
850.2500	Simulated or Actual Field Testing				Not required
850.1075	Freshwater Fish Toxicity	00071302 00100446 43875304 49024006 49049803 49049806	Metalaxyl Task Force Syngenta Crop Protection, LLC Syngenta Crop Protection, LLC	OLD OLD OLD PER PAY PAY	
850.1010	Freshwater Invertebrate Toxicity	43875305 49024004	Metalaxyl Task Force	OLD PER	

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Ingredient mefenoxam (CAS No.: 70630-17-0; Chemical Code: 113502)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
850.1025, 850.1035, 850.1045, 850.1055, 850.1075	Acute Toxicity Estuarine and Marine Organisms	41288101 43875306 49049801 49049802 49049804 49049805 49145101	Syngenta Crop Protection, LLC Syngenta Crop Protection, LLC Syngenta Crop Protection, LLC Syngenta Crop Protection, LLC Metalaxyl Task Force	OLD OLD PAY PAY PAY PAY PER	
850.1300	Aquatic Invertebrate Life Cycle (Freshwater)	00071307			
850.1350	Aquatic Invertebrate Life Cycle (Saltwater)	49116001	Metalaxyl Task Force	PER	
850.1400	Fish Early Life Stage (Freshwater)	00071308		OLD	
850.1400	Fish Early Life Stage (Saltwater)				Not required
850.1500	Life Cycle Fish				Not required
850.1710, 850.1730, 850.1850	Aquatic Organisms Bioavailability, Biomagnification, Toxicity	00100468 00100470		OLD OLD	
850.1950	Simulated or Actual Field Testing for Aquatic Organisms				Not required
850.1735	Whole Sediment: Acute Freshwater Invertebrates				Not required
850.1740	Whole Sediment: Acute Marine Invertebrates				Not required
N/A	Whole Sediment: Chronic Invertebrates Freshwater and Marine				Not required
850.3020	Honey Bee Acute Contact Toxicity	43875308		OLD	
850.3030	Honeybee Toxicity of Residues on Foliage				Reserved
850.3040	Field Testing for Pollinators				Reserved

Signature

Name and Title

Brien O'Loughlin
Agent

Date

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Ingredient mefenoxam (CAS No.: 70630-17-0; Chemical Code: 113502)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
870.6100	Delayed Neurotoxicity (Acute) – Hen				Not required
870.6200	Acute Neurotoxicity – Rat				Waived
870.3100	90-Day Oral: Rodent	43823202		OLD	
870.3150	90-Day Oral: Non-Rodent	43800392		OLD	
870.3200	21/28-Day Dermal Toxicity	00072394		OLD	
870.3250	90-Day Dermal Toxicity				Not required
870.3465	90-Day Inhalation Toxicity				Waived
870.6100	28-Day Delayed Neurotoxicity – Hen				Not required
870.6200	90-Day Neurotoxicity	48865902	Syngenta Crop Protection, LLC	PAY	
870.4100	Chronic Oral Rodent	00098481 00132009 00150185		OLD OLD OLD	
870.4200	Carcinogenicity	00098481 00103354 00132009 00150094 00150185		OLD OLD OLD OLD OLD	

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Ingredient mefenoxam (CAS No.: 70630-17-0; Chemical Code: 113502)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
870.3700	Reproduction / Developmental Toxicity Screening Test	43800393 44208401 00144372 00144371 00148866		OLD OLD OLD OLD OLD	
870.3800	2-Generation Reproduction: Rat	00071600		OLD	
870.6300	Developmental Neurotoxicity Study				Not required
870.5100	Bacterial Reverse Mutation Test	43800394		OLD	
870.5300, 870.5375	<i>In vitro</i> Mammalian Cell Assay	43800395 43800402 43800403 43800404		OLD OLD OLD OLD	
870.5385, 870.5395, 870.5450, 870.5550	<i>In vivo</i> Cytogenetics and Other Effects	00084114 00103361 00103363 00154306 00154307 00154310 00154663 00160037		OLD OLD OLD OLD OLD OLD OLD OLD	

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Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
870.7485	Metabolism and Pharmacokinetics	00071613 00071614 00099084 00161402 41664501		OLD OLD OLD OLD OLD	
870.7200	Companion Animal Safety				Not required
870.7600	Dermal Penetration	45085901 45085902		OLD OLD	
870.7800	Immunotoxicity	48865903	Syngenta Crop Protection, LLC	PAY	
875.1100	Dermal Exposure – Outdoor		Agricultural Handler Exposure TF	OWN	See endnote ⁸
875.1200	Dermal Exposure – Indoor				Not required
875.1300	Inhalation Exposure – Outdoor		Agricultural Handler Exposure TF	OWN	See endnote ⁸
875.1400	Inhalation Exposure – Indoor				Not required
875.1500	Biological Monitoring		Agricultural Handler Exposure TF	OWN	See endnote ⁸
875.1600	Data Reporting and Calculations		Agricultural Handler Exposure TF	OWN	See endnote ⁸
875.1700	Product Use Information		Agricultural Handler Exposure TF	OWN	See endnote ⁸
875.2100	Dislodgeable Foliar Residue and Turf Transferable Residues		Agricultural Reentry TF Outdoor Residential Exposure TF	OWN OWN	See endnote ⁹
875.2200	Soil Residue Dissipation		Agricultural Reentry TF Outdoor Residential Exposure TF	OWN OWN	See endnote ⁹

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Ingredient mefenoxam (CAS No.: 70630-17-0; Chemical Code: 113502)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
875.2400	Dermal Exposure		Agricultural Reentry TF Outdoor Residential Exposure TF	OWN OWN	See endnote ⁹
875.2500	Inhalation Exposure		Agricultural Reentry TF Outdoor Residential Exposure TF	OWN OWN	See endnote ⁹
875.2600	Biological Monitoring		Agricultural Reentry TF Outdoor Residential Exposure TF	OWN OWN	See endnote ⁹
875.2700	Product Use Information		Agricultural Reentry TF Outdoor Residential Exposure TF	OWN OWN	See endnote ⁹
875.2800	Descriptions of Human Activity		Agricultural Reentry TF Outdoor Residential Exposure TF	OWN OWN	See endnote ⁹
875.2900	Data Reporting and Calculations		Agricultural Reentry TF Outdoor Residential Exposure TF	OWN OWN	See endnote ⁹
875.3000	Nondietary Ingestion Exposure		Agricultural Reentry TF Outdoor Residential Exposure TF	OWN OWN	See endnote ⁹
201-1	Droplet Size Spectrum		Spray Drift TF	OWN	See endnote ¹⁰
202-1	Droplet Size Spectrum		Spray Drift TF	OWN	See endnote ¹⁰
850.4100	Tier 1: Seedling Emergence	49024016 49049807	Metalaxyl Task Force Syngenta Crop Protection, LLC	PER PAY	
850.4150	Tier 1: Vegetative Vigor	49049808	Syngenta Crop Protection, LLC	PAY	

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Ingredient mefenoxam (CAS No.: 70630-17-0; Chemical Code: 113502)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
850.4400, 850.4500	Tier 1: Aquatic Plant Growth	43875307		OLD	
		49024009	Metalaxyl Task Force	PER	
		49024008	Metalaxyl Task Force	PER	
		49024007	Metalaxyl Task Force	PER	
		49024012	Metalaxyl Task Force	PER	
850.4100	Tier 2: Seedling Emergence	49024016	Metalaxyl Task Force	PER	
		49049807	Syngenta Crop Protection, LLC	PAY	
850.4150	Tier 2: Vegetative Vigor	49049808	Syngenta Crop Protection, LLC	PAY	
850.4400, 850.4500	Tier 2: Aquatic Plant Growth	43875307		OLD	
		49024009	Metalaxyl Task Force	PER	
		49024008	Metalaxyl Task Force	PER	
		49024007	Metalaxyl Task Force	PER	
		49024012	Metalaxyl Task Force	PER	
850.4300	Terrestrial Field				Not required
850.4450	Aquatic Field				Not required
850.4025	Target Area Phytotoxicity				Not required
850.4550	Cyanobacteria Toxicity	49024005	Metalaxyl Task Force	PER	
835.2120	Hydrolysis	00104493		OLD	
835.2240	Photodegradation in Water	41156001		OLD	
835.2410	Photodegradation in Soil	00100456		OLD	
		43883402		OLD	

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Ingredient mefenoxam (CAS No.: 70630-17-0; Chemical Code: 113502)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
835.2370	Photodegradation in Air				Not required
835.4100	Aerobic Soil Metabolism	00104494 43935301		OLD OLD	
835.4200	Anaerobic Soil Metabolism	00104494		OLD	
835.4300	Aerobic Aquatic Metabolism	42259802 47886101	Syngenta Crop Protection, LLC	OLD PAY	
835.4400	Anaerobic Aquatic Metabolism	42259801		OLD	
835.1230	Leaching / Adsorption / Desorption	00100464 00100465 00100466 43875309 43935302		OLD OLD OLD OLD OLD	
835.1410	Volatility – Laboratory	00100455		OLD	
835.8100	Volatility – Field				Not required
835.6100	Soil Field Dissipation Study	40985403 40985404 41765001 41765002 41809301		OLD OLD OLD OLD OLD	
835.6200	Aquatic Sediment Field Dissipation Study	42259803 42259804		OLD OLD	
835.6300	Forest Field Dissipation Study				Not required

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Ingredient mefenoxam (CAS No.: 70630-17-0; Chemical Code: 113502)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
835.6400	Combination and Tank Mixes				Not required
835.7100	Ground Water Monitoring				Not required
860.1300	Nature of the Residue: Plants	00071601-10 00114379 00128102		OLD OLD OLD	
860.1300	Nature of the Residue: Livestock	00071611-12 41664503-06 42115801-06 44208101		OLD OLD OLD OLD	
860.1850	Confined Rotational Crops	41870308 42196501-03 43317302		OLD OLD OLD	

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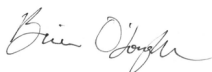
Applicant's/Registrant's Name & Address

Argite, LLC
5000 CentreGreen Way, Suite 100
Cary, NC 27513

Product

ARG Mefenoxam Technical

Ingredient mefenoxam (CAS No.: 70630-17-0; Chemical Code: 113502)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1340	Residue Analytical Methods	00071622-23		OLD	
		00071676		OLD	
		00104378		OLD	
		00104656		OLD	
		00148440		OLD	
		00157480		OLD	
		40503101		OLD	
		40071503		OLD	
		40071504		OLD	
		40162601		OLD	
		40534803		OLD	
		41055203		OLD	
		41689701-02		OLD	
		42115807-10		OLD	
		43896901		OLD	
		44208101		OLD	
		44976201		OLD	
		45215901		OLD	
		45508401		OLD	
		46714704		OLD	
		46714705		OLD	
		46714706		OLD	
		50683002		PAY	
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Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1360	Multiresidue Method	40503101 41055203		OLD OLD	
860.1380	Storage Stability	00148440 40106601 41449001 42021101 42115809 42350101 42919401 41912902 44185709 44316101-02 44617001 44850301 46714707		OLD OLD OLD OLD OLD OLD OLD OLD OLD OLD OLD OLD OLD	
860.1500	Magnitude of the Residue in Plants: alfalfa	40832901		OLD	
860.1500	Magnitude of the Residue in Plants: apple	00126315 00141519		OLD OLD	
860.1500	Magnitude of the Residue in Plants: asparagus	00154446 44208106		OLD OLD	
860.1500	Magnitude of the Residue in Plants: atemoya	44914205 44941601		OLD OLD	

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DATA MATRIX

Date May 23, 2022	EPA Reg No./File Symbol 87373-92	Page 14 of 38
Applicant's/Registrant's Name & Address Argite, LLC 5000 CentreGreen Way, Suite 100 Cary, NC 27513	Product ARG Mefenoxam Technical	
Ingredient mefenoxam (CAS No.: 70630-17-0; Chemical Code: 113502)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500	Magnitude of the Residue in Plants: avocado	00074488		OLD	
860.1500	Magnitude of the Residue in Plants: barley	00071672 00104387 00128102 41689701-02 41870301 41870305 41912903 43775401		OLD OLD OLD OLD OLD OLD OLD OLD	
860.1500	Magnitude of the Residue in Plants: beans	00071672 00104390 00129003 00148440 40569303 46714701 47803101-02	IR-4	OLD OLD OLD OLD OLD OLD PL	
860.1500	Magnitude of the Residue in Plants: beets	00128102 40569301 40838301-02 43620101		OLD OLD OLD OLD	
860.1500	Magnitude of the Residue in Plants: biriba	44914205 44941601		OLD OLD	

Signature 	Name and Title Brien O'Loughlin Agent	Date May 23, 2022
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Applicant's/Registrant's Name & Address Argite, LLC 5000 CentreGreen Way, Suite 100 Cary, NC 27513	Product ARG Mefenoxam Technical	
Ingredient mefenoxam (CAS No.: 70630-17-0; Chemical Code: 113502)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500	Magnitude of the Residue in Plants: buckwheat	00071672 00104387 00128102 41689701-02 41870301-02 41870305 41912903 43775401		OLD OLD OLD OLD OLD OLD OLD OLD	
860.1500	Magnitude of the Residue in Plants: bulb vegetable, crop subgroups 3-07A and 3-07B	00071615 00098428 00130694 00148103 42991601		OLD OLD OLD OLD OLD	
860.1500	Magnitude of the Residue in Plants: bushberry, subgroup 13-07B	00164649		OLD	
860.1500	Magnitude of the Residue in Plants: cacao	44914205 44941601		OLD OLD	
860.1500	Magnitude of the Residue in Plants: caneberry, subgroup 13-07A	00127769 47803103-04	IR-4	OLD PL	
860.1500	Magnitude of the Residue in Plants: canistel	44914205 44941601		OLD OLD	
860.1500	Magnitude of the Residue in Plants: canola	43602401			

Signature

Name and Title

Brien O'Loughlin
Agent

Date

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Ingredient mefenoxam (CAS No.: 70630-17-0; Chemical Code: 113502)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500	Magnitude of the Residue in Plants: cherimoya	44914205 44941601		OLD OLD	
860.1500	Magnitude of the Residue in Plants: citrus	00117969 00133020 00148440		OLD OLD OLD	
860.1500	Magnitude of the Residue in Plants: clover	40832901 42226801		OLD OLD	
860.1500	Magnitude of the Residue in Plants: cole crops (broccoli, cabbage, cauliflower); vegetable, brassica, leafy group 5	00071615 00130773 42159801 43218501 43896905		OLD OLD OLD OLD OLD	
860.1500	Magnitude of the Residue in Plants: corn	00071672 00128102 41689701-02 41870301 41912903 43775401		OLD OLD OLD OLD OLD OLD	
860.1500	Magnitude of the Residue in Plants: cotton	00109402 41870305 44208103		OLD OLD OLD	

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Ingredient mefenoxam (CAS No.: 70630-17-0; Chemical Code: 113502)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500	Magnitude of the Residue in Plants: cowpeas	00071672 00104390 00129003 00148440 40569303 46714701 47803101-02	IR-4	OLD OLD OLD OLD OLD OLD PL	
860.1500	Magnitude of the Residue in Plants: cranberry	41996401		OLD	
860.1500	Magnitude of the Residue in Plants: cucurbit vegetables, crop group 9	00071615 00098428 00130693 00148103		OLD OLD OLD OLD	
860.1500	Magnitude of the Residue in Plants: custard apple	44914205 44941601		OLD OLD	
860.1500	Magnitude of the Residue in Plants: dill	44847601-02		OLD	
860.1500	Magnitude of the Residue in Plants: eggplant	00148103 00148440 00157480 40066101-02 40569601 42984001 44208104-05		OLD OLD OLD OLD OLD OLD OLD	

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Applicant's/Registrant's Name & Address Argite, LLC 5000 CentreGreen Way, Suite 100 Cary, NC 27513	Product ARG Mefenoxam Technical	
Ingredient mefenoxam (CAS No.: 70630-17-0; Chemical Code: 113502)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500	Magnitude of the Residue in Plants: foliage of legume vegetables, crop group 7	00071599 00071615 00071672 00104390 00129003 00148440 40569303 46714701 47803101-02	IR-4	OLD OLD OLD OLD OLD OLD OLD OLD PL	
860.1500	Magnitude of the Residue in Plants: fruiting vegetables, crop group 8	00148103 00148440 00157480 40066101-02 40569601 42984001 44208104-05		OLD OLD OLD OLD OLD OLD OLD	
860.1500	Magnitude of the Residue in Plants: garbanzo beans	00071672 00104390 00129003 00148440 40569303		OLD OLD OLD OLD OLD	

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Ingredient mefenoxam (CAS No.: 70630-17-0; Chemical Code: 113502)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500	Magnitude of the Residue in Plants: ginseng	41688901 41695201		OLD OLD	
860.1500	Magnitude of the Residue in Plants: globe artichoke	44914201		OLD	
860.1500	Magnitude of the Residue in Plants: grapes	00138818 00155845 41150101 45613901		OLD OLD OLD OLD	
860.1500	Magnitude of the Residue in Plants: grasses (forage, fodder, hay)	42134501 43271001		OLD OLD	
860.1500	Magnitude of the Residue in Plants: herbs (dried and fresh)	44847601 44847602		OLD OLD	
860.1500	Magnitude of the Residue in Plants: hops	00079433 40071502 40411002 40746901 40909401 40827401		OLD OLD OLD OLD OLD OLD	
860.1500	Magnitude of the Residue in Plants: ilama	44914205 44941601		OLD OLD	

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Applicant's/Registrant's Name & Address Argite, LLC 5000 CentreGreen Way, Suite 100 Cary, NC 27513	Product ARG Mefenoxam Technical				
Ingredient mefenoxam (CAS No.: 70630-17-0; Chemical Code: 113502)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500	Magnitude of the Residue in Plants: leafy vegetables (except brassica), group 4	00071615 00071672 00097511 00114377 00114378 40775801 41587801 41636201		OLD OLD OLD OLD OLD OLD OLD OLD	

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Applicant's/Registrant's Name & Address

Argite, LLC
5000 CentreGreen Way, Suite 100
Cary, NC 27513

Product

ARG Mefenoxam Technical

Ingredient mefenoxam (CAS No.: 70630-17-0; Chemical Code: 113502)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500	Magnitude of the Residue in Plants: leaves of root and tuber vegetables, crop group 2	00097511	Syngenta Crop Protection, LLC	OLD	
		00071615		OLD	
		00071672		OLD	
		00114377		OLD	
		00114378		OLD	
		00128102		OLD	
		40569301		OLD	
		40775801		OLD	
		40838301-02		OLD	
		41587801		OLD	
		41636201		OLD	
		42159801		OLD	
		43218501		OLD	
		43620101		OLD	
		47493301		PAY	

Signature

Name and Title

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Argite, LLC
5000 CentreGreen Way, Suite 100
Cary, NC 27513

Product

ARG Mefenoxam Technical

Ingredient mefenoxam (CAS No.: 70630-17-0; Chemical Code: 113502)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500	Magnitude of the Residue in Plants: legume vegetables, crop group 6	00071599 00071615 00071672 00104390 00129003 00148440 40569303 46714701 47803101-02	IR-4	OLD OLD OLD OLD OLD OLD OLD OLD PL	
860.1500	Magnitude of the Residue in Plants: lespedeza	40832901 42226801		OLD OLD	
860.1500	Magnitude of the Residue in Plants: lupine	00071672 00104390 00129003 00148440 40569303		OLD OLD OLD OLD OLD	
860.1500	Magnitude of the Residue in Plants: mango	44914205 44941601		OLD OLD	

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Applicant's/Registrant's Name & Address Argite, LLC 5000 CentreGreen Way, Suite 100 Cary, NC 27513	Product ARG Mefenoxam Technical	

Ingredient mefenoxam (CAS No.: 70630-17-0; Chemical Code: 113502)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500	Magnitude of the Residue in Plants: millet	00071672 00104387 00128102 41689701-02 41870301-02 41870305 41912903 43775401		OLD OLD OLD OLD OLD OLD OLD OLD	
860.1500	Magnitude of the Residue in Plants: okra	00148103 00148440 00157480 40066101-02 40569601 42984001 44208104-05		OLD OLD OLD OLD OLD OLD OLD	
860.1500	Magnitude of the Residue in Plants: papaya	44914205 44941601 46714702		OLD OLD OLD	
860.1500	Magnitude of the Residue in Plants: peanuts	00128738 41870306 42498701		OLD OLD OLD	

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Ingredient mefenoxam (CAS No.: 70630-17-0; Chemical Code: 113502)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500	Magnitude of the Residue in Plants: peas	00071672 00104390 00129003 00148440 40569303 46714701 47803101-02	IR-4	OLD OLD OLD OLD OLD OLD PL	
860.1500	Magnitude of the Residue in Plants: pepper	00148103 00148440 00157480 40066101-02 40569601 42984001 44208104-05		OLD OLD OLD OLD OLD OLD OLD	
860.1500	Magnitude of the Residue in Plants: pineapple	00109472 42233501 44914205 44941601		OLD OLD OLD OLD	

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Argite, LLC
5000 CentreGreen Way, Suite 100
Cary, NC 27513

Product

ARG Mefenoxam Technical

Ingredient mefenoxam (CAS No.: 70630-17-0; Chemical Code: 113502)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500	Magnitude of the Residue in Plants: potato	00071616 00098428 00104654 00128102 40838301-02 41870307 43896903		OLD OLD OLD OLD OLD OLD OLD	
860.1500	Magnitude of the Residue in Plants: radish	00071616 00098428 00104654 00128102 40569301 40838301-02 41688901 41870307 43620101		OLD OLD OLD OLD OLD OLD OLD OLD OLD	

Signature

Name and Title

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Ingredient mefenoxam (CAS No.: 70630-17-0; Chemical Code: 113502)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500	Magnitude of the Residue in Plants: rice	00071672 00104387 00128102 41689701-02 41870301-03 41870305 41912903 42259805 43775401		OLD OLD OLD OLD OLD OLD OLD OLD OLD	
860.1500	Magnitude of the Residue in Plants: root and tuber vegetables	00071616 00098428 00104654 00128102 40569301 40838301-02 41688901 41870307 43620101 47493301	Syngenta Crop Protection, LLC	OLD OLD OLD OLD OLD OLD OLD OLD OLD PAY	

Signature 	Name and Title Brien O'Loughlin Agent	Date May 23, 2022
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Ingredient mefenoxam (CAS No.: 70630-17-0; Chemical Code: 113502)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500	Magnitude of the Residue in Plants: rye	00071672 00104387 00128102 41689701-02 41870301-02 41870305 41912903 43775401		OLD OLD OLD OLD OLD OLD OLD OLD	
860.1500	Magnitude of the Residue in Plants: sapodilla	44914205 44941601		OLD OLD	
860.1500	Magnitude of the Residue in Plants: snap bean	00071672 00104390 00129003 00148440 40569303 46714701 47803101-02	IR-4	OLD OLD OLD OLD OLD OLD PL	

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Ingredient mefenoxam (CAS No.: 70630-17-0; Chemical Code: 113502)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500	Magnitude of the Residue in Plants: sorghum	00071672 00104387 00128102 41689701-02 41870301-02 41870305 41912903 43775401		OLD OLD OLD OLD OLD OLD OLD OLD	
860.1500	Magnitude of the Residue in Plants: sapote (black and mamey)	44914205 44941601		OLD OLD	
860.1500	Magnitude of the Residue in Plants: seed and pod vegetables	00071672 00104390 00129003 00148440 40569303 46714701 47803101-02	IR-4	OLD OLD OLD OLD OLD OLD PL	
860.1500	Magnitude of the Residue in Plants: small fruit vine climbing, except grape, subgroup 13-07E	42350101 44914203 46714703		OLD OLD OLD	

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Ingredient mefenoxam (CAS No.: 70630-17-0; Chemical Code: 113502)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500	Magnitude of the Residue in Plants: small grains	00071672 00104387 00128102 41689701-02 41870301-02 41870305 41912903 43775401		OLD OLD OLD OLD OLD OLD OLD OLD	
860.1500	Magnitude of the Residue in Plants: soursop	44914205 44941601		OLD OLD	
860.1500	Magnitude of the Residue in Plants: soybean	00071599 00071615 00071672 00104390 00129003 00148440 40569303 46714701 47803101-02	IR-4	OLD OLD OLD OLD OLD OLD OLD OLD PL	

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DATA MATRIX

Date May 23, 2022	EPA Reg No./File Symbol 87373-92	Page 30 of 38
Applicant's/Registrant's Name & Address Argite, LLC 5000 CentreGreen Way, Suite 100 Cary, NC 27513	Product ARG Mefenoxam Technical	
Ingredient mefenoxam (CAS No.: 70630-17-0; Chemical Code: 113502)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500	Magnitude of the Residue in Plants: spinach	00071615 00071672 00097511 00114377 00114378 40775801 41587801 41636201		OLD OLD OLD OLD OLD OLD OLD OLD	
860.1500	Magnitude of the Residue in Plants: star apple	44914205 44941601		OLD OLD	
860.1500	Magnitude of the Residue in Plants: starfruit	44914205 44941601 46714702		OLD OLD OLD	
860.1500	Magnitude of the Residue in Plants: stone fruits, crop group 12	00164650		OLD	

Signature 	Name and Title Brien O'Loughlin Agent	Date May 23, 2022
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860.1500	Magnitude of the Residue in Plants: succulent shelled beans	00071599 00071615 00071672 00104390 00129003 00148440 40569303 46714701 47803101-02	IR-4	OLD OLD OLD OLD OLD OLD OLD OLD PL	
860.1500	Magnitude of the Residue in Plants: sugar apple	44914205 44941601		OLD OLD	
860.1500	Magnitude of the Residue in Plants: sugar beet	00104389 40106601 40116201 40569301 41250101 43620101		OLD OLD OLD OLD OLD OLD	
860.1500	Magnitude of the Residue in Plants: sunflower	00128102 41870304 41912902		OLD OLD OLD	

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Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500	Magnitude of the Residue in Plants: strawberry	00155237 40880401 44208102		OLD OLD OLD	
860.1500	Magnitude of the Residue in Plants: tomato	00148103 00148440 00157480 40066101-02 40569601 42984001 44208104-05		OLD OLD OLD OLD OLD OLD OLD	
860.1500	Magnitude of the Residue in Plants: tree nut crop group 14-12	00164651 50683002	Syngenta Crop Protection, LLC	OLD PAY	
860.1500	Magnitude of the Residue in Plants: trefoil	40832901 42226801		OLD OLD	
860.1500	Magnitude of the Residue in Plants: triticale	00071672 00104387 00128102 41689701-02 41870301-02 41870305 41912903 43775401		OLD OLD OLD OLD OLD OLD OLD OLD	

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Ingredient mefenoxam (CAS No.: 70630-17-0; Chemical Code: 113502)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500	Magnitude of the Residue in Plants: turnip greens	00071615 00071672 00097511 00114377 00114378 40775801 41587801 41636201		OLD OLD OLD OLD OLD OLD OLD OLD	
860.1500	Magnitude of the Residue in Plants: vetch	40832901 42226801		OLD OLD	
860.1500	Magnitude of the Residue in Plants: wasabi (greenhouse)	50281901	IR-4	PL	
860.1500	Magnitude of the Residue in Plants: wheat	00071672 00104387 00128102 41689701-02 41870301-02 41870305 41912903 43775401		OLD OLD OLD OLD OLD OLD OLD OLD	

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Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500	Magnitude of the Residue in Plants: tobacco	00100476-78 00104485 00140371 00148440 42196503		OLD OLD OLD OLD OLD	
860.1520	Magnitude of the Residue in Processed Food or Feed: apple	00126315		OLD	
860.1520	Magnitude of the Residue in Processed Food or Feed: barley	41870301-03 42498701 42259805		OLD OLD OLD	
860.1520	Magnitude of the Residue in Processed Food or Feed: buckwheat	41870301-03 42498701 42259805		OLD OLD OLD	
860.1520	Magnitude of the Residue in Processed Food or Feed: cacao	44914205 44941601		OLD OLD	
860.1520	Magnitude of the Residue in Processed Food or Feed: canola	43602401		OLD	
860.1520	Magnitude of the Residue in Processed Food or Feed: citrus	00117969		OLD	
860.1520	Magnitude of the Residue in Processed Food or Feed: corn	41870301-03 42498701 42259805		OLD OLD OLD	
860.1520	Magnitude of the Residue in Processed Food or Feed: cotton	00109402 41870305 44208103		OLD OLD OLD	

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Ingredient mefenoxam (CAS No.: 70630-17-0; Chemical Code: 113502)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1520	Magnitude of the Residue in Processed Food or Feed: grapes	00138818 00155845 41150101 45613901		OLD OLD OLD OLD	
860.1520	Magnitude of the Residue in Processed Food or Feed: herbs	44847601 44847602		OLD OLD	
860.1520	Magnitude of the Residue in Processed Food or Feed: millet	41870301-03 42498701 42259805		OLD OLD OLD	
860.1520	Magnitude of the Residue in Processed Food or Feed: peanuts	00128738 41870306 42498701		OLD OLD OLD	
860.1520	Magnitude of the Residue in Processed Food or Feed: pineapple	00109472 42233501 44914205 44941601		OLD OLD OLD OLD	
860.1520	Magnitude of the Residue in Processed Food or Feed: potato	41870307 40106601 40569301		OLD OLD OLD	
860.1520	Magnitude of the Residue in Processed Food or Feed: rice	41870301-03 42498701 42259805		OLD OLD OLD	

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Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1520	Magnitude of the Residue in Processed Food or Feed: rye	41870301-03 42498701 42259805		OLD OLD OLD	
860.1520	Magnitude of the Residue in Processed Food or Feed: sorghum	41870301-03 42498701 42259805		OLD OLD OLD	
860.1520	Magnitude of the Residue in Processed Food or Feed: small grains	41870301-03 42498701 42259805		OLD OLD OLD	
860.1520	Magnitude of the Residue in Processed Food or Feed: soybean	00071672		OLD	
860.1520	Magnitude of the Residue in Processed Food or Feed: stone fruits, crop group 12	00164650		OLD	
860.1520	Magnitude of the Residue in Processed Food or Feed: sugar beet	41870307 40106601 40569301		OLD OLD OLD	
860.1520	Magnitude of the Residue in Processed Food or Feed: sunflower	00128102 41870304 41912902		OLD OLD OLD	
860.1520	Magnitude of the Residue in Processed Food or Feed: tomato	00148440 00157480 44208104		OLD OLD OLD	

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Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1520	Magnitude of the Residue in Processed Food or Feed: wheat	41870301-03 42498701 42259805		OLD OLD OLD	
860.1520	Magnitude of the Residue in Processed Food or Feed: tobacco	00100476-78 00104485 00140371 00148440 42196503		OLD OLD OLD OLD OLD	
860.1480	Magnitude of the Residue in Meat, Milk, Poultry, and Eggs	00071673-74 00100753 40534801 41664503-04 42115809		OLD OLD OLD OLD OLD	
860.1400	Nature and Magnitude of the Residue in Potable Water				Not required
860.1400	Magnitude of the Residue in Fish				Not required
860.1400	Magnitude of the Residue in Plants Resulting from the Use of Irrigation Water				Not required
860.1460	Magnitude of the Residue in Food Handling Establishments				Not required
860.1900	Field Rotational Crops	00071672 00104387 00114376 41870308		OLD OLD OLD OLD	

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Data Matrix Endnotes for ARG Mefenoxam Technical

- ¹ **830.1650** – These data are not required for registration of a technical grade active ingredient. Refer to guideline 830.1620.
- ² **830.6313** - Argite, LLC requests a waiver from the metal ions portion of this data requirement. ARG Mefenoxam Technical is stored in coated steel containers but is not expected to come into contact with metal ions during storage or use. The accelerated stability of mefenoxam in metal containers is reported in MRID 51058805 of this submission.
- ³ **830.6316** – Argite, LLC requests a waiver from this data requirement because mefenoxam does not have the chemical bonds or functional groups associated with explosive chemicals.
- ⁴ **830.6317, 830.6320** – Per PR Notice 92-5, storage stability and corrosion characteristics data are not required to be submitted unless specifically requested by the Agency. Argite, LLC agrees to conduct these studies if required and requests that the studies be made a condition of registration.
- ⁵ **830.6319** – This data requirement is required when the product is an emulsifiable liquid and is diluted with petroleum solvents. ARG Mefenoxam Technical is not an emulsifiable liquid to be diluted with petroleum solvents and therefore this data requirement is not applicable.
- ⁶ **830.6321** – These data are not required for registration of a technical grade active ingredient.
- ⁷ **830.7550** – Argite, LLC is seeking a waiver for this data requirement for ARG Mefenoxam Technical because the product is not a fibrous material and is not water insoluble.
- ⁸ **875.1100, 875.1300, 875.1500, 875.1600, 875.1700** – Argite, LLC is a member in good standing of the Agricultural Handler Exposure Task Force (AHETF).
- ⁹ **875.2100, 875.2200, 875.2300, 875.2400, 875.2500, 875.2600, 875.2700, 875.2800, 875.2900, 875.3000** – Argite, LLC is a member in good standing of the Agricultural Reentry Task Force (ARTF) and the Outdoor Residential Exposure Task Force (ORETF). Chemical-specific turf transferable or dislodgeable foliar residue data are not required as per the Human Health RA.
- ¹⁰ **201-1, 202-1** – Argite, LLC is a member in good standing of the Spray Drift Task Force (SDTF).